

Recombinant HCV 22kD Core Protein

Cat. No. HCVCore-140H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	HCV
Source	Yeast
Description	Hepatitis-C full length nucleocapsid recombinant proretn (truncated p22) produced in Yeast expression system. This protein binds murine monoclonal antibodies and HCV converted human serum polyclonal antibodies in ELISA and Western ELISA.
Molecular Mass	18 kD
Purity	> 95 % by SDS-PAGE
Applications	In-Vitro HCV Diagnostics; T-Cell Activation.
Notes	Recommended concentrations for use are approximate values. Dilute the antigen preparation at least 10 to 20-fold in PBS for solid phase antigen-antibody titration assays. A dose dependent response assay should be performed to determine the optimal concentration for use in specific applications. HCV core protein shows relatively strong binding specificity for HCV-specific human antibodies. ELISA and Western ELISA require protein in 10ng range depending on the nature and affinity of the secondary detection reagent. HCV converted human

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

serum polyclonal antibodies yield titers of 1:10, 000 or greater at 100ng of immobilized protein under standard ELISA conditions.

Stability

At least 12 months at -75 centigrade.

Storage

Store at -75 centigrade.

Dilutions

50mM Tris, pH 8.0, 6M Urea, pH8.0

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